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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,565	10/19/2001	Mehran Bashiri	1001.1504101	1828
28075	7590	06/21/2005	EXAMINER	
CROMPTON, SEAGER & TUFTE, LLC 1221 NICOLLET AVENUE SUITE 800 MINNEAPOLIS, MN 55403-2420			WOO, JULIAN W	
		ART UNIT		PAPER NUMBER
				3731

DATE MAILED: 06/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/045,565	BASHIRI ET AL.
	Examiner	Art Unit
	Julian W. Woo	3731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 27 May 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4, 6-12, 14, 16-18 and 30-32 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 18 is/are allowed.

6) Claim(s) 1, 4, 6-11, 13, 15-17, and 30-32 is/are rejected.

7) Claim(s) 2, 3, 12, 14, 31 and 32 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
5) Notice of Informal Patent Application (PTO-152)
6) Other: ____.

DETAILED ACTION

Response to Amendment

1. The Examiner has reconsidered the finality of the rejection of the last Office action, and the finality of that action is withdrawn. The amendment of May 23, 2005 has been entered. An action on the amendment follows.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4, 6-9, 14, 16, 17, and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by Phan et al. (5,192,286). Phan et al. disclose, in figures 1-3C and in col. 5, lines 1-45, an embolus extractor, where the extractor has a microcatheter (10), an elongate shaft (18 with respect to claim 1 or 28 with respect to claim 18) and first and second struts (fibers or threads of net, 26), where each strut has a proximal end and a distal end, where—with respect to claim 1—the distal end of each strut is coupled to the distal end of the shaft (18); where—with respect to claim 18—a strut has a proximal end and a distal end coupled to shaft (28), where the struts have first and second positions, where, in the second position, the proximal and distal ends of the struts are spaced at a second distance less than a first distance between the ends at the first position (see figs. 3A-3C); wherein the second position, the proximal ends of the struts form an open, generally circular mouth eccentric with respect to the shaft (see figs. 2 and 2A); where

formation of the mouth case the struts to rotate about the elongate shaft and translate along the elongate shaft (in the vicinity of sliding rings 29); wherein the first position, the struts are disposed generally parallel and adjacent to the shaft (see fig. 3A); where the struts extend generally distally from the mouth to define a generally tapering body (see fig. 3C), where the proximal portion of the struts forming the mouth extend from the shaft at an angle between 45 deg. to 90 deg., and where the struts include a radiopaque material or marker (metallic threads according to col. 4, line 27).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

5. Claims 10 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phan et al. in view of Oslund et al. (6,740,061). Phan et al. disclose the invention substantially as claimed, but do not disclose that the metallic struts include a shape memory metal or a NiTi alloy. Oslund et al. teach, in col. 3, lines 40 and 41, a embolus

extractor including a NiTi alloy (nitinol, a shape memory metal). It would have been obvious to one having ordinary skill in the art at the time the invention was made, in view of Oslund et al., to include a shape memory metal or a NiTi alloy in the struts of the device of Phan et al. Such a metal would render the struts strong, flexible, biocompatible.

Allowable Subject Matter

6. Claim 18 is allowed.
7. Claims 2, 3, 12, 14, 31, and 32 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
8. The following is a statement of reasons for the indication of allowable subject matter: None of the prior art of record, alone or in combination, discloses an embolus extractor and a method of withdrawing the embolus extractor, where the extractor has, *inter alia*, a microcatheter, an elongate shaft and first and second struts, where each strut has a proximal end and a distal end, where the distal end of each strut is coupled to the distal end of the shaft; where the struts have first and second positions, where, in the second position, the proximal and distal ends of the struts are spaced at a second distance less than a first distance between the ends at the first position, and wherein the second position, the proximal ends of the struts form an open, generally circular mouth eccentric with respect to the shaft, where sleeves are slidably coupled to the ends of the struts, where a third strut with a transverse cross-sectional area less than the transverse

cross-sectional area of each of the first and second struts is include in the extractor; where the first and second struts are movable independently of each other, and where the first strut has a transverse cross-sectional area greater than the transverse cross-sectional area of the second strut.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian W. Woo whose telephone number is (571) 272-4707. The examiner can normally be reached Mon.-Fri., 7:00 AM to 3:00 PM Eastern Time, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anh Tuan Nguyen can be reached on (571) 272-4963. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Julian W. Woo
Primary Examiner

June 14, 2005